



*High Performance USB 3.0 C-mount  
Cooled Color Microscope Camera*

<b>General specifications</b>	USB output	Yes
	Cooling	Yes
	Cooling Temperature	-45°C
	C-Mount	Yes
	Dimensions (mm)	100 (diam) x 100 (H)
	Weight (kg)	0.59
<b>Sensor</b>	Camera resolution (n° of pixels: W x H)	5440x3648
	Color / Monochrome	Color
	Sensor Size	1"
	Sensor Technology	CMOS
	Sensor Type	SONY EXMOR
	Image Format	3/2
	Pixel Size (µm)	2.4x2.4
	Acquisition technology	Rolling shutter
	Dynamic range (DB)	66.30
	G sensitivity	426mV at 1/30s
	Dark Signal	0.21mV at 1/30s
	ADC conversion	8 Bit - 12Bit
	Color Depth	1, 4, 8, 24 Bit
	Exposure time	0.1 msec - 3600 sec
	Binning	1x1; 2x2; 3x3
IR filter	Yes	
IR filter range (nm)**	380-650 (IR CUT)	
<b>** If used for red emission fluorescence wavelengths above 650nm please order it by specifying with "AR GLASS"</b>		
<b>USB</b>	PC Camera resolution (MP)	20
	USB standard	USB3.0
	Frame rate full resolution (fps)	5@5440x3648
	Frame rate other resolution (fps)	10@4096x2160; 15@2736x1824; 30@1824x1216
<b>Camera Power Supply</b>	Connector	USB
	Output voltage	PC USB
	LED indicator	Yes
	Cooling Power	12V 3A
<b>Camera accessories</b>	Calibration slide	Yes

	USB cable (1.8m)	Yes
<b>Environment</b>	Working Temperature	-10°C up to +50°C
	Storage Temperature	-20°C up to +60°C
	Relative Humidity	30% to 80%
	Storage Humidity	10% to 60%
<b>Operating System</b>	OS	Windows 7
	OS	Windows 8
	OS	Windows 10 (32Bit)
	OS	Windows 10 (64Bit)
	OS	Windows 11
	OS	Osx (MAC Osx) starting from 10.7.5
	OS	Linux
<b>Available Software</b>	PC SW	PROVIEW
	PC SW	LITEVIEW
<b>PC requirements</b>	PC	CPU: Intel Core2 - 2.8GHz or higher
	PC	RAM: 2GB or more
	PC	USB 3.0